CORE

The Voice of Mineral Exploration

Summer 2020

MINERAL FINANCE 2020: CANADA HOLDING GROUND

NEWS FROM ACROSS THE SECTOR

IN CONVERSATION WITH PDAC'S MARY-CLAIRE WARD AWARD WINNER

COVID-19:

Perseverance in an unprecedented time

PDAC

PROSPECTORS & DEVELOPERS ASSOCIATION OF CANADA

PDAC 2020 CONVENTION HIGHLIGHTS

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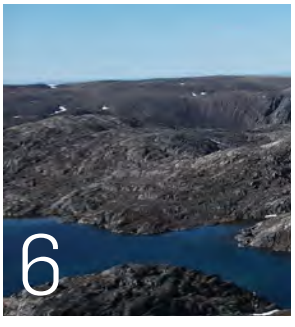

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INDUSTRYNEWS

CANADA BACKS ZERO-EMISSION VEHICLES

While attending the PDAC 2020 Convention, Canadian Prime Minister Justin Trudeau announced that the government intends to extend the business tax deduction for zero-emission vehicles and equipment to cover mineral exploration and mining operations, including off-road vehicles. The incentive would provide a 100 per cent write-off of the purchase cost of eligible zero-emission vehicles and automotive equipment in the year they are put in use.

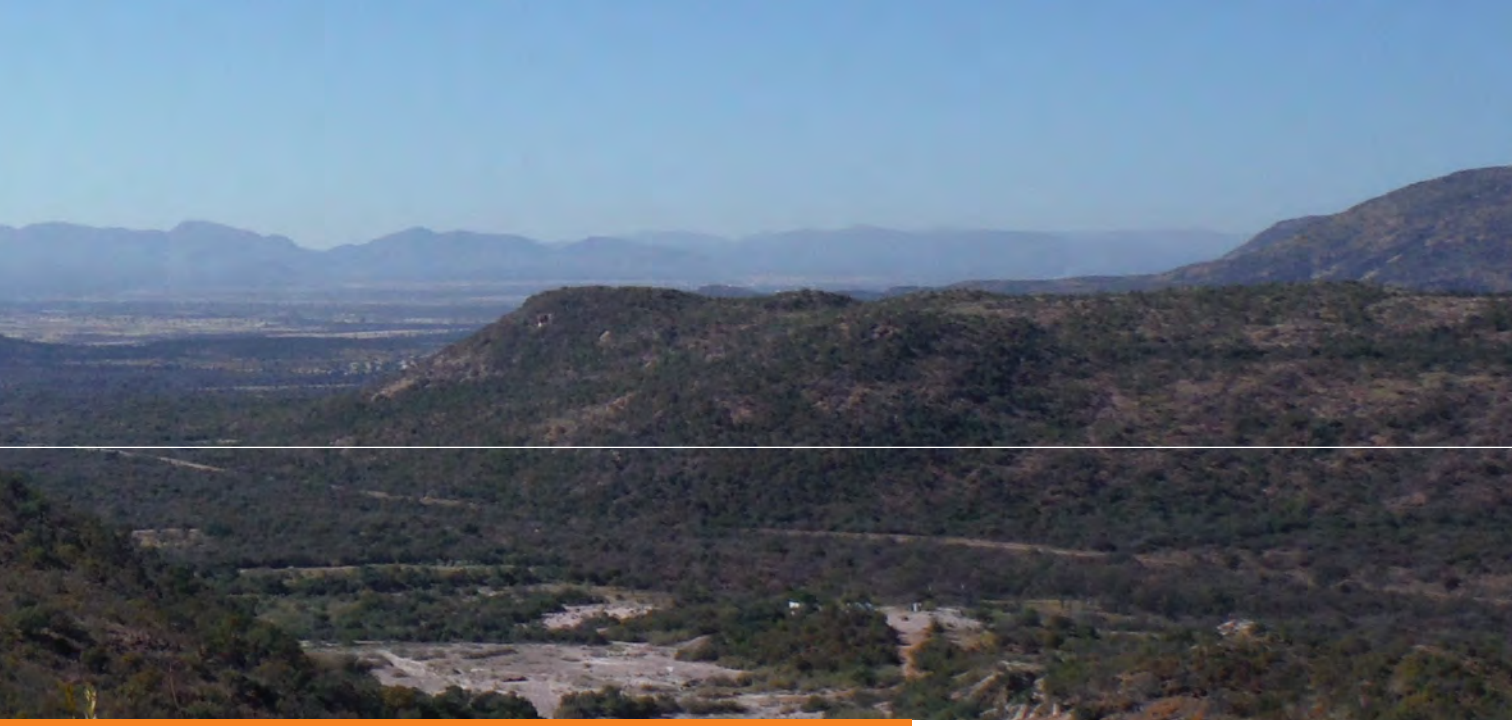
This new incentive aims to encourage businesses, in sectors such as mining, transportation and agriculture, to take advantage of opportunities to upgrade to newer, cleaner technologies.

"We are supporting businesses that are making investments today to help protect our environment for future generations. By making it more affordable for Canadian businesses to make the switch to zero-emission technologies, we can help accelerate our transition to a low-carbon, clean-growth economy and create good middle-class jobs," said the Prime Minister.

Geoscientists Canada launches new website

Geoscientists Canada has launched a new website called Geoscience in Canada (geoscienceincanada.ca). The free online tool is a comprehensive resource for information on professional geoscientist licensure in Canada. The website is available to all prospective professional geoscientist applicants, regardless of the jurisdiction they may eventually apply.

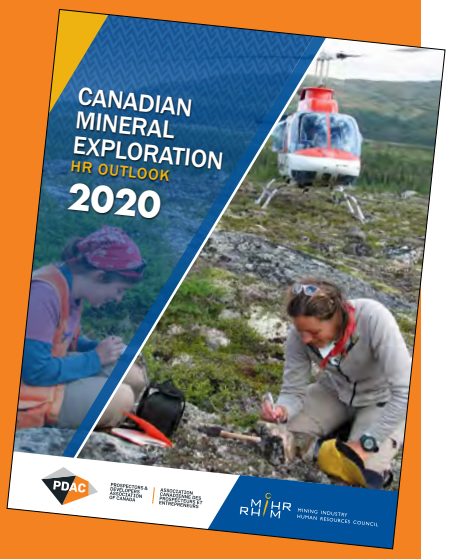
The resource is designed to inform internationally and domestically trained geoscientists about practicing geoscience and professional geoscience licensure requirements in Canada. The website also includes a variety of resources, such as a licensure readiness self-assessment tool that provides prospective applicants with the ability to anonymously self-assess their geoscience education and work experience as compared to the Canadian geoscience requirements for licensure.



NEW REPORT ENHANCES LABOUR MARKET INFORMATION

The Mining Industry Human Resources Council (MiHR) and PDAC have launched the *2020 Canadian Mineral Exploration HR Outlook*. The report examines several overarching themes that cut across exploration employers, contractors, workers, educators, students and affiliates. The report showcases several key findings, including:

- Representation of mid-career workers in exploration is lower than in the mining industry.
- There is a higher representation of women and immigrants than in mining.
- Young people are unaware about exploration careers, which limits the future labour pool.
- Stronger industry/education collaboration is needed to better align learning outcomes with employer skills requirements.



Norway adopts Canada's initiative for sustainable mining

The national mining association of Norway—Norsk Bergindustri (Norwegian Mineral Industry)—announced that it will adopt the Towards Sustainable Mining (TSM) initiative, a corporate social responsibility program developed by the Mining Association of Canada (MAC), to improve environmental and social practices in the mining sector.

Norsk Bergindustri joins seven other mining associations around the world in adopting TSM, and is the third in Europe and second in Scandinavia after FinnMin. With MAC's support, Norsk Bergindustri, will tailor TSM's performance areas to reflect the unique aspects of its domestic mining sector and commits to TSM implementation over the next five years.

"For a long time, our industry has seen the need for good tools and methods for measuring environmental performance. We are very pleased that the Norwegian mineral industry is taking decisive steps to measure its environmental performance," said Anita Hall, Secretary General of the Norwegian mining industry.

INDUSTRY NEWS

CANADA TUMBLES IN FRASER INSTITUTE'S ANNUAL SURVEY

For the first time in a decade no Canadian jurisdiction ranked in the Top 10 for "investment attractiveness" in the Fraser Institute's *Annual Survey of Mining Companies*.

This year's survey of mining executives ranks 76 jurisdictions around the world based on their geologic attractiveness (minerals and metals) and government policies that encourage or deter exploration and investment.

Saskatchewan remains Canada's most attractive jurisdiction for investment (ranking 11th on this year's survey index, down from 3rd last year), followed by Ontario (16th up from 20th), Québec (18th down from 4th), and British Columbia (19th down from 18th).

Overall investment attractiveness for Canadian provinces and territories (out of 76)

11 Saskatchewan
16 Ontario
18 Québec
19 British Columbia
23 Yukon
26 Nunavut
28 Newfoundland and Labrador
30 Alberta
34 Manitoba
35 Northwest Territories
52 Nova Scotia
60 New Brunswick

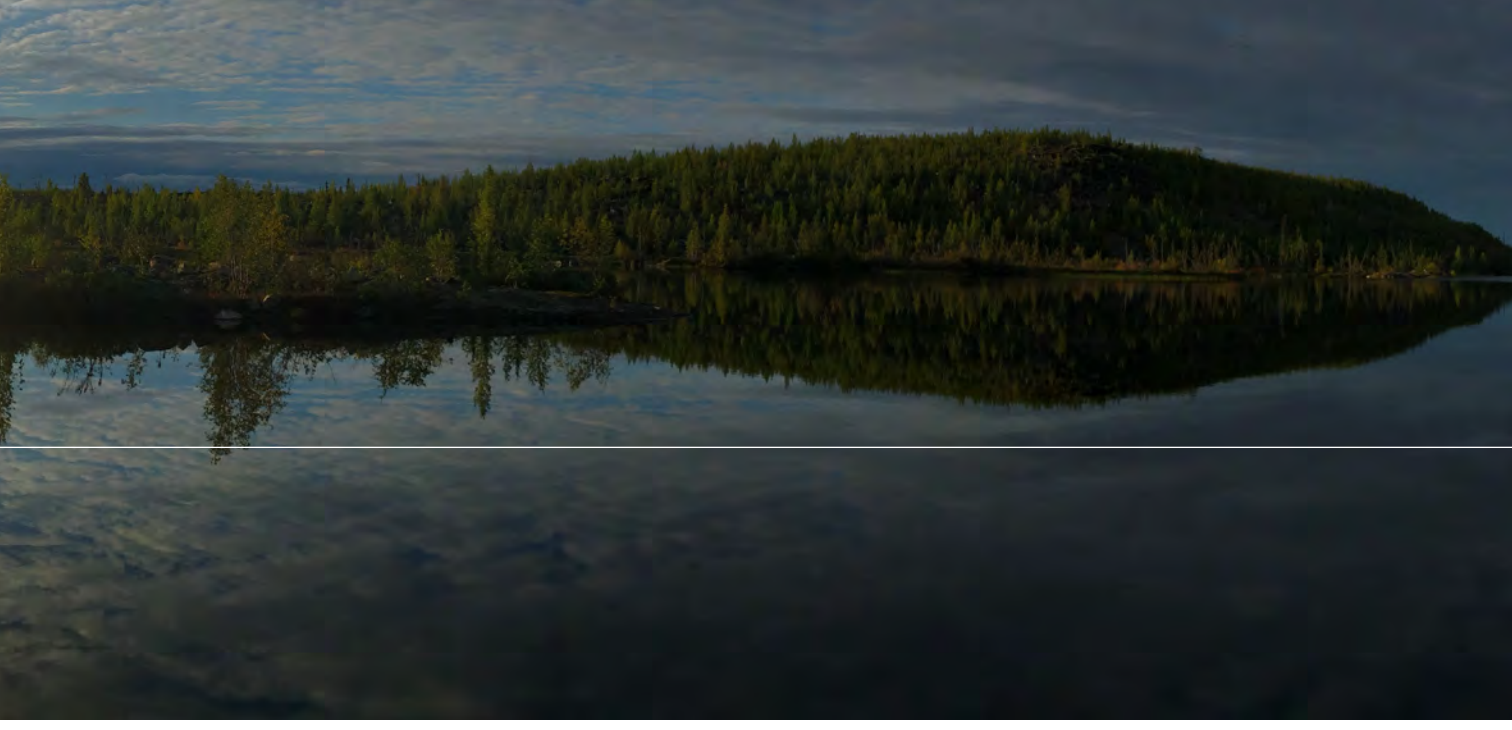
ONTARIO TO BUILD NORTHERN ROAD LINK

The Government of Ontario, Marten Falls First Nation and Webequie First Nation signed an agreement at PDAC 2020 to advance the planning and development of a proposed Northern Road Link in the Ring of Fire region of Ontario.

The plan for the project is to link the proposed Marten Falls Community Access Road at the south with the proposed Webequie Supply Road at the north. The all-season road would improve connectivity and create jobs, increase access to health and social services, along with advancing infrastructure such as high-speed internet and reliable cellular service.

Ontario Minister of Energy, Northern Development and Mines Greg Rickford said during the announcement that: "Our government is proud to partner with Marten Falls and Webequie First Nations to support the development of reliable, all-season road infrastructure and move forward with our shared goal of bringing economic prosperity to the region."

Located about 500km northeast of Thunder Bay, the Ring of Fire covers an area of around 5,000km² and holds extensive chromite, nickel, copper and palladium deposits.



THE TOP 10 ISSUES TRANSFORMING THE FUTURE OF MINING

Deloitte has released its latest *Tracking the Trends* report for 2020 that features insights, strategies and ideas for mining companies to enhance their positon and business outlook. The Top 10 items are:

- Getting partnerships and joint ventures right
- The social investor
- Seize opportunity amid uncertainty
- Dynamically managing risk
- The path to decarbonization
- On the road toward intelligent mining
- Modernizing core technologies
- The intersection of talent and community
- Leadership in an industry 4.0 world
- Tax tribulations

PDAC CONNECT GOES LIVE!

PDAC has launched a new platform for members to network and seek advice, as well as share issues, questions and solutions for the growth and advancement of the mineral industry. The online platform (**connect.pdac.ca**) also provides access to resources, success stories, and advice from members across the sector that have experienced similar projects and challenges.

PDAC CONNECT

U.S. launches tool to stake claim to rare earth minerals

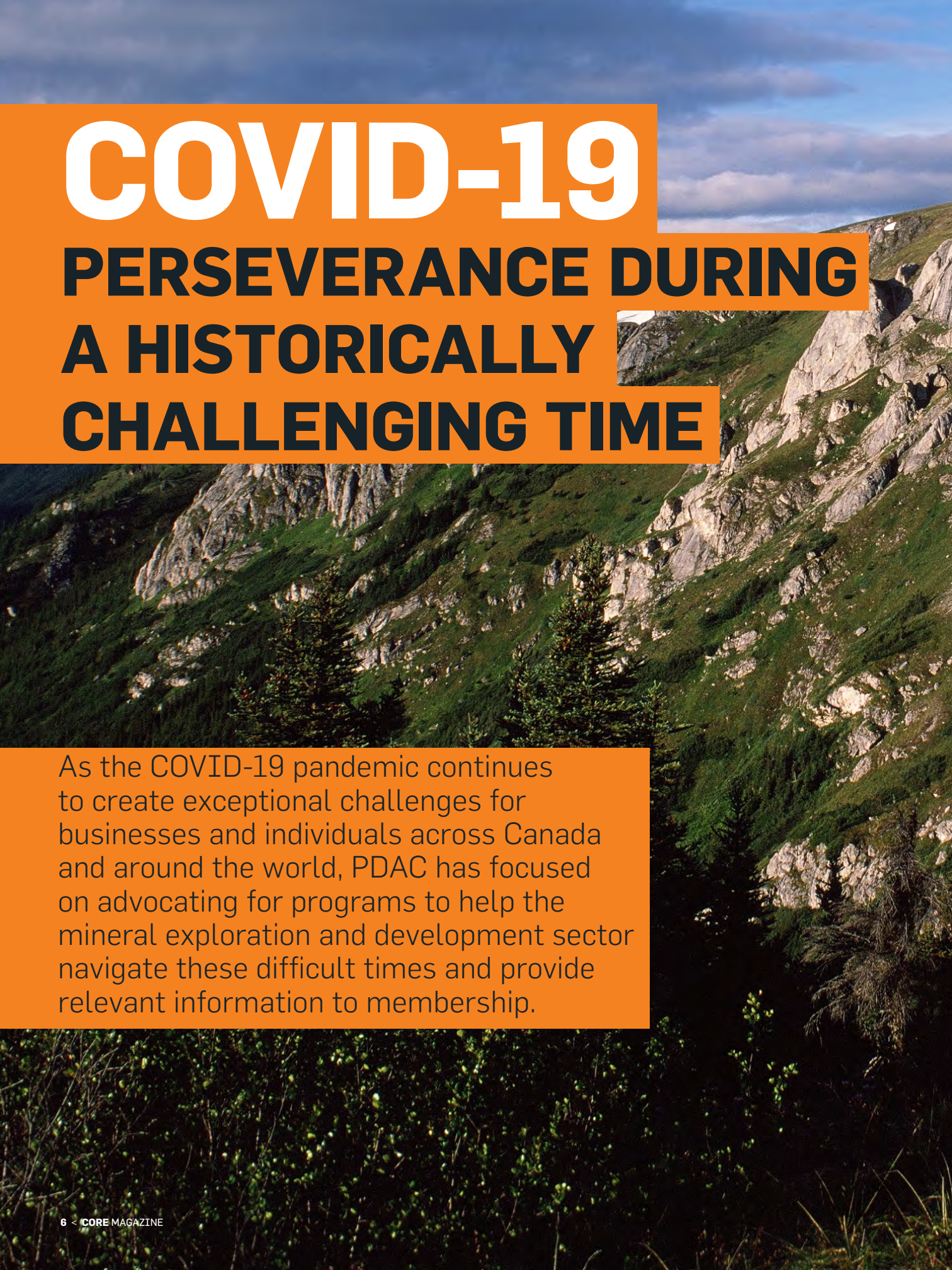
The U.S. State Department has officially launched an online tool called the Energy Resource Governance Initiative Toolkit to help America stake claim to many of the world's rare earth minerals.

The tool highlights the country's increasing concern about securing a stable and viable supply of critical minerals used in such products as solar panels, car batteries and wind turbines. Some of the resources come from emerging markets deemed too risky by U.S. investors who require best-in-class standards.

The outcomes of such a scenario create "two really bad outcomes," said Francis Fannon, the U.S. assistant secretary of state for energy resources. "Either the world will not get the minerals it needs in order to fuel energy transition technologies, or that investment would only come from those who are less concerned about governance issues, transparency, corruption, environmental standards, and best practices." The new initiative is designed to give countries that have nascent resource industries an online toolkit to develop assets and meet the standards of U.S. investors.

COVID-19

PERSEVERANCE DURING A HISTORICALLY CHALLENGING TIME



As the COVID-19 pandemic continues to create exceptional challenges for businesses and individuals across Canada and around the world, PDAC has focused on advocating for programs to help the mineral exploration and development sector navigate these difficult times and provide relevant information to membership.

Supporting industry through COVID-19

In the early stages of Canada's pandemic lockdown, PDAC recognized the need to create a one-window approach to provide members and the general public with the information and tools required to understand the unique challenges being faced by the industry in all corners of the country.

A new COVID-19 dedicated page on PDAC's website was created to guide individuals and companies to the information and resources relevant to them. It includes links to various support programs offered by the Government of Canada, an outline of the work undertaken by PDAC on behalf of its membership, and links to provincial and territorial associations offering COVID-19 relief alternatives and resources.

This webpage has also functioned to solicit feedback from members on where advocacy efforts should be focused, and how PDAC can continue to play a vital role in ensuring a vibrant and thriving mineral exploration and development sector.

You can find all of these resources at: **pdac.ca/priorities/covid19-support**. The page is updated as developments occur.

Federal Government Advocacy

In an effort to ensure that support programs offered by the Government of Canada meet the needs of the mineral exploration and development sector, PDAC has undertaken an expansive advocacy campaign focused on areas identified by members as being potentially problematic. These include:

- Recommendations to defer timelines associated with Canada's flow-through share regime
- Expansion of the Canadian Emergency Wage Subsidy program and Canadian Emergency Business Account to enable pre-revenue businesses to access them effectively
- Temporary expansion of eligibility under Canadian Exploration Expenses (CEE)
- Regularly communicating with with key Ministers and Parliamentary Secretaries, including Natural Resources Canada, Energy, Northern Development and Mines, and Small Business, Export Promotion and International Trade
- Participating in daily conference calls with the Department of Innovation, Science and Economic Development to identify gaps in existing programming and ensure the mineral sector is included in the continued development of these programs

Additionally, PDAC has taken a leading role in convening weekly tele-conferences with the Canadian Mineral Industry Federation—a group comprised of Canada's national, provincial and territorial associations representing the mineral exploration and development community. This forum has allowed for continual knowledge sharing, and provided a platform to identify areas where further advocacy is required. It has resulted in letters, co-signed by members of the group, being sent to the Minister of Finance with key recommendations on how the Canadian government can best support the sector.

As the COVID-19 pandemic progresses, PDAC will continue to adapt its advocacy approach to ensure government programs are designed with mineral exploration and development in mind. The significance of our industry and its economic contributions should not be overlooked. It can, and will, play a key role in bolstering Canada's economic recovery plan.

How the sector can help

PDAC has listened to members and heard time and again how companies within the mineral sector have stepped up to help communities in this time of need. Through social media and online engagement with members, PDAC has promoted various channels that business can use to donate to and support their local communities. To date, companies have donated over $150 million of personal protective equipment, monetary contributions, and other goods and services globally. This number is expected to climb as time goes on, and PDAC would like to thank all of those who have taken the opportunity to support ongoing efforts to combat COVID-19.

While the current situation is unprecedented, PDAC is confident that Canada's robust mineral exploration and development sector will once again show why it is considered the world's best, and we will continue advocating to ensure the industry is recognized as a critical component of Canada's economy and an essential part of modern life.

PDAC 2020 CONVENTION

Photos: www.pdac.ca

For the 88th year the world's premier industry event showcased the latest technologies, trends and personalities shaping the mineral exploration and development community. Some 23,000 attendees participated in an array of programs, presentations and discussions at PDAC 2020—from capital markets, Indigenous participation and sustainability, to corporate presentations, advances in geoscience, and student and early career development.

"The PDAC Convention is a unique opportunity for industry professionals to prepare, plan and position themselves and their companies for the year ahead," said PDAC President Felix Lee. "The event is also widely recognized by all levels of government that use the platform as a means to deliver important announcements that will impact the sector for years to come."

Several notable initiatives revealed at PDAC 2020 included:

- As part of Canada Day, Prime Minister Justin Trudeau announced that the federal government will promote the adoption of on-road to off-road electric vehicles, including vehicles used in mining applications.
- Minister of Natural Resources, Seamus O'Regan announced the next phase of the Canadian Minerals and Metals Plan (CMMP).
- Ontario Premier Doug Ford and Ontario Minister of Energy, Northern Development and Mines Greg Rickford announced that Ontario will develop road access in northern Ontario to service First Nations communities and potentially develop the Ring of Fire project.

PDAC 2020 HIGHLIGHTS

- **Brazilian Mining Day** provided a comprehensive economic and infrastructure overview which, combined with cases of success of major and junior companies in diversified geological environments, would foster Brazil as a top destination for exploration and mining investments.
- Back for a second consecutive year, **Canada Day** featured sessions on critical minerals, investment, trends and innovation, along with announcements on how Canada can retain its position as a leading mining nation.
- **Peru Day** included presentations that addressed the key issues facing mining in Peru, its huge and available polymetallic resources, legal framework based on international standards, neutral tax regime for international investors, and how Peru remains one of the most attractive jurisdictions in the world for mining investment.
- PDAC, in partnership with the World Economic Forum, hosted the **International Mines Ministers Summit (IMMS)** for the fifth year, bringing together ministers responsible for mining from a diverse range of countries. This year's summit focused on the mineral industry of the future.
- At the **Mineral Outlook Luncheon**, Catherine Raw, Chief Operating Officer, North America at Barrick Gold Corporation, discussed the recent spate of M&A in the gold mining sector, how it differs from that of the past, what it means for the mining industry as a whole, and the potential implications this has on investment and growth in the future.

EXHIBITS

Attendees met with 1000+ exhibitors and learned about leading products, services and mining jurisdictions. A must-see collection of interactive and experiential booths was featured:

- A LEGO survey in action from **Abitibi Geophysics**
- Core display by **Brixton Metals** from their flagship Thorn copper-gold porphyry project in British Columbia
- A drone demonstration from **Drone Delivery Canada**
- A new disruptive universal laser-based drill core digitization service from **ELEMISSION Inc.**
- Machine learning to unlock deep value in exploration and investment data from **Goldspot Discoveries Inc.**
- Advice on buying and selling trends from bullion and collectible experts from **Kitco Metals (Precious Metals Division)**
- Projects from **Midland Exploration Inc.** that focused on their gold, base metals, PGE and REE mine discoveries in Québec
- The Silver Sand project, a silver rich area of Cerro Rico in Bolivia, from **New Pacific Metals Corp.**
- The **Royal Canadian Mint's** 10 kilogram, 99.999% pure gold Maple Leaf coin—the second largest gold coin ever produced by the Royal Canadian Mint.
- Insights and solutions on environmental hardships or natural disaster vulnerabilities from the **Society of Exploration Geophysicists (SEG) and Geoscientists Without Borders® (GWB)**

PROGRAMS

- **Building An Investor Toolkit: Practical Tips Seminar NEW**
  This seminar featured a series of professionals who offered practical tips on how to start investing in the mineral sector to increase the odds of making money on investments. How to put the first dollar to work, types of investment platforms, relevant terminology, and impactful news flow were put into context to help build out the investor toolkit.

- **Capital Markets Program**
  The Capital Markets Program provided attendees with discussions and expert analysis on the latest economic developments affecting the mineral sector. In total, eight sessions were featured that focused on key topics such as securities regulation, financing trends and the Capital Markets Regulatory Authority.

- **Corporate Presentation Forum for Investors**
  A staple of the convention offerings, the forum showcased discussions and insights from exploration and development companies on their current activities and investment potential.

- **Cutting Edge NEW**
  Located in the Investors Exchange, this new stage offered various presentations on unique and innovative ideas that exposed attendees to forward-thinking ideas that they may not have previously considered.

- **Exploration Insights**
  Selected from a call for abstracts, these technical, policy and academic presentations offered insights into current and topical subjects impacting the mineral exploration and development sector.

- **Indigenous Program**
  A highlight of the PDAC Convention, the Indigenous Program once again brought together the mineral sector with Indigenous communities and companies to exchange ideas, share information and network. The program continues to evolve into an important platform for fostering cooperative, respectful and mutually-beneficial relationships between Indigenous communities and industry.

- **Keynote Program**
  Exploration success has been declining since the start of the 21st century. Yet key tier one deposits have been discovered and put into production. Mark Bristow, Joe Ovsenek and Robert Friedland outlined how this was possible, what were the keys to success, and what are the keys for discovery in the future.

Save the date
PDAC 2021
March 7-10

- **Letter Writer Presentations for Investors**
  The Letter Writer Presentations for Investors once again featured industry commentators who presented their market research and ideas on how to select good investments in the resource sector.

- **PDAC One-On-One Meeting Program**
  PDAC partnered with Precious Metals Summit Conferences, LLC to offer professionally organized one-on-one meetings that brought qualified investors together with senior management teams from various companies.

- **Presentation and Reception Rooms**
  The Presentation and Reception Rooms provided a venue to interact with representatives from countries and companies who provided up-to-date information on their mining jurisdictions, products and services.

- **Short Courses**
  A record 14 Short Courses were offered for mineral exploration professionals and students to update their knowledge of mineral exploration science, technology management, and other related issues.

- **Student & Early Career Program**
  The Student & Early Career Program continued to offer young professionals an opportunity to connect with industry leaders and peers from all over the world. Students had access to an array of sessions and events, including the Student-Industry Networking Luncheon, Student & Early Career Centre, PDAC-CIM Toronto Branch Guided Tours, Flash Mentoring with industry professionals, and the Prospect Generation Challenge hosted by Next Gen Geo—a "Dragons' Den" style event where students pitch ideas for projects that include cash prizes.

- **Sustainability Program**
  Celebrating its 11th anniversary, the Sustainability Program featured presentations and panel discussions highlighting key aspects of sustainable development, social and environmental performance. Sessions examined diversity and inclusion in the workplace, as well as in the community setting.

- **Technical Program**
  As a long-standing component of the convention, attendees took part in over a dozen programs that explored everything from next and best practices to timely insights from experts during these dynamic series of presentations.

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MINERAL FINANCE 2020

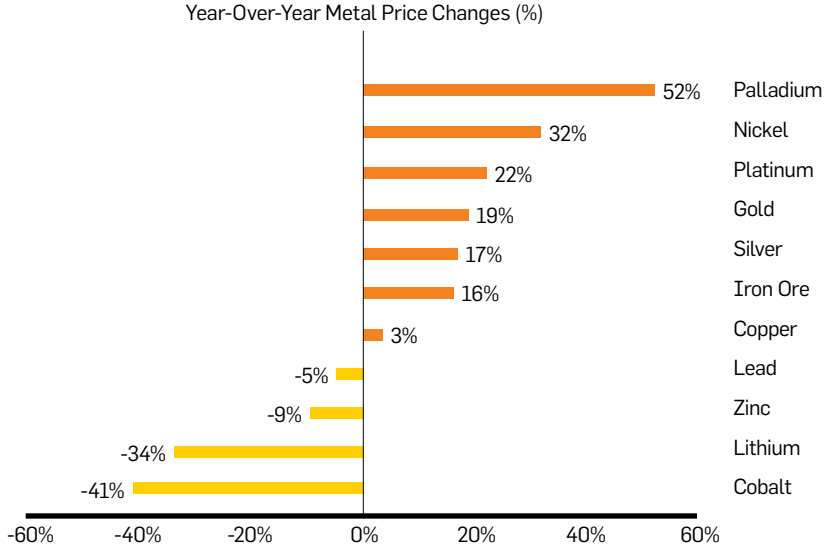
CANADA HOLDING GROUND

Global trade tensions and a weakening growth outlook weighed on base metals for most of 2019. These factors combined with a reversal in U.S. interest rate policy to push precious metals prices higher during the year, a trend that has continued into 2020.

Figure 1 shows how precious metal prices increased significantly in 2019 relative to base metals, which were mostly stagnant. Battery metal prices continued on a steep decline from 2018 levels, as supply appears to be outpacing near-term demand.

FIGURE 1

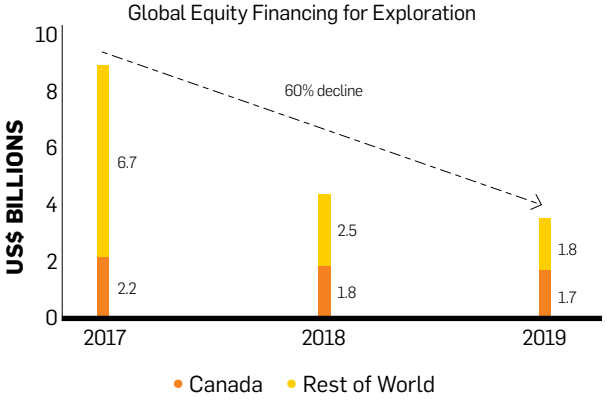
Year-Over-Year Metal Price Changes (%)



A deteriorating macroeconomic environment had a clear impact on financing dynamics within the mineral industry in 2019 as global equity funding for the mineral sector declined for the second year in a row. The US$18 billion raised via equity investments during the year represents a +40% drop from 2017 and a new decade low point.

The silver lining is that Canada seems to be holding ground and showing resilience in the face of weakening investment, with equity financing on Canadian stock exchanges declining at just one-third of the rate observed on foreign exchanges between 2017 and 2019. Accordingly, as seen in Figure 2, nearly half of the exploration dollars raised last year were through Canadian exchanges—the largest proportion in over a decade.

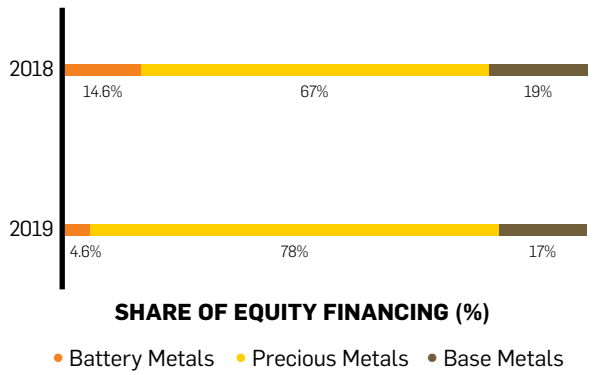
FIGURE 2
Global Equity Financing for Exploration



A key reason for the Canadian resilience is the flow-through share system, which provides on average nearly 70% of the funds raised explicitly for exploration in Canada. In 2019, the proportion of funds raised using flow-through increased sharply year over year, from 64% to 78%.

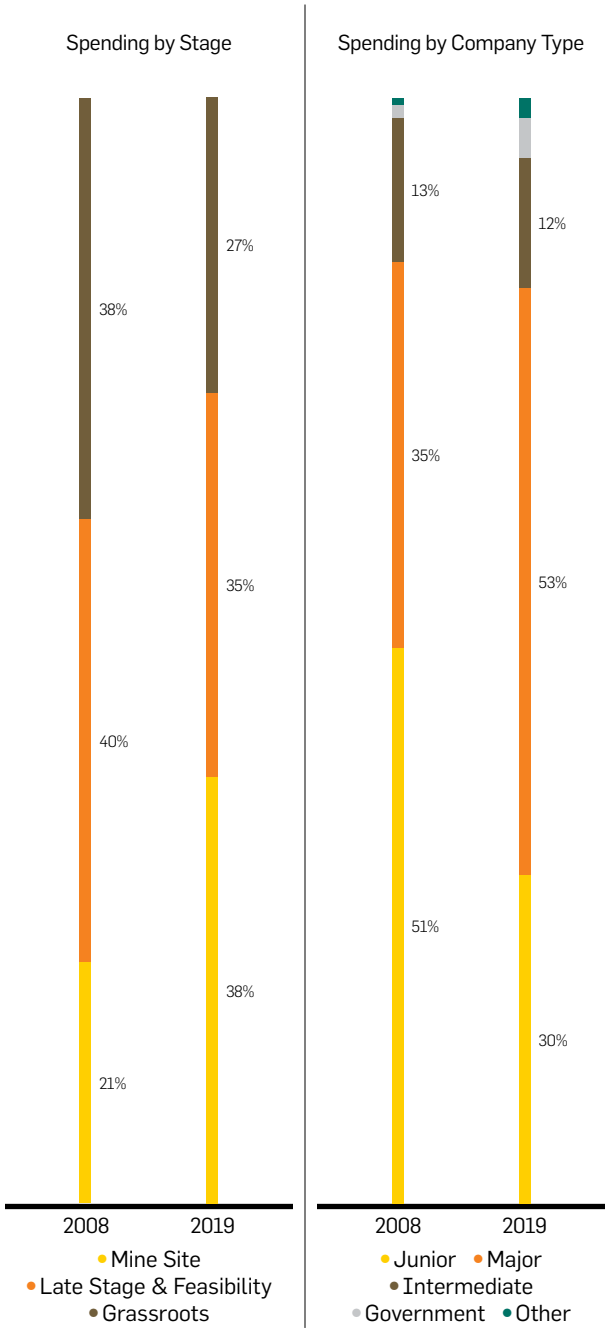
As outlined in Figure 3, the increase in financing for precious metals in 2019 came largely at the expense of battery metals, mirroring the change observed in metal prices over the year.

FIGURE 3
Junior Financing by Commodity Group



PDAC continues to advocate for access to capital for mineral exploration through regulatory reforms that increase availability and reduce the cost of capital in Canada. These efforts appear increasingly important as we have seen junior and grassroots exploration investment decline materially over the last decade.

FIGURE 4
Global Exploration Expenditures Distribution



For more information on mineral industry financing and exploration activity, please read our *Mineral Finance 2020: Canada Holding Ground* report at **www.pdac.ca**.

IN CONVERSAT
MARY-CLAIRE
WINNER KEND

Kendra Zammit at Red Lake, Ontario in 2019 mapping 2.7Ga stromatolites.

TION WITH WARD AWARD RA ZAMMIT

A young Kendra catching the geology bug.

Kendra Zammit of Laurentian University is this year's recipient of the Mary-Claire Ward Geoscience Award. The award was created to honour the memory of Ms. Ward who passed away in 2004. At the time of her death she was Chair of PDAC's Geoscience Committee, Chairman of Watts Griffis McOuat Ltd., and a Past President of the Geological Association of Canada. She was a passionate advocate for the geosciences in Canada and the award is a fitting tribute to her dedication and work in the field.

Kendra's M.Sc. research seeks to constrain the Neoarchean evolution of progressive deformation and orogenic gold mineralizing events in the western Wabigoon subprovince of Canada's Superior Province. Her research integrates legacy data, new field observations, microstructural analyses, and U-Pb geochronology to revise the structural and metallogenic evolutionary history of the region. Results will document the influence of structural evolution of greenstone belts on their differential gold endowment, and will assist future orogenic gold exploration in the western Superior Province.

Consisting of $5,000 and a certificate, the award strives to encourage and support a graduate student in Canada whose thesis aims to increase our knowledge of the geological history of Canada through mapping.

Kendra mapping in 2017 on the Albany River in Northern Ontario.

Q|A

What sparked your interest in geology and motivated you to pursue a career in the sector?

My interest in geology started when I was very young as I spent a lot of time camping and playing with rocks in the driveway. Eventually, my curiosity about the Earth (and my mother) urged me to attend university, where I chose to study Earth Sciences and Geography. My classes in university showed me that the Earth is dynamic, and its evolution is intrinsically connected to every aspect of our lives, including the economy, the biosphere and culture. I am motivated to pursue a career in the Earth Sciences not only due to my interest in the planet, but also because it is time for positive—and necessary—change in the world of mining.

Q|A

Tell us a bit about your educational background and how you ended up at Laurentian University?

I attended Georgetown District High School in Halton Hills, Ontario where I completed a one-year Rotary International Youth Exchange to Rio Negrinho, Brazil. When I returned to Canada, I finished high school and saved up for my first year of university. I decided to go to Memorial University of Newfoundland to study Earth Sciences and Geography, where I completed a wide variety of courses with the intent of learning about natural and anthropogenic Earth processes. Those courses developed my interest in structural geology, biology and natural resource management. My honours thesis research provided the first constituent analysis of Arctic cold-water carbonate bioclasts in Canada, and was supervised by Dr. Evan Edinger. After graduating, I wanted to refine my knowledge of structural and Precambrian geology, so I joined the Metal Earth research group at Laurentian University to investigate the evolution of a Neoarchean greenstone belt under the supervision of Dr. Stéphane Perrouty.

Kendra and Evelyn Moorhouse sampling a vein with the Ontario Geological Survey (OGS) at the Shebandowan Greenstone Belt in 2016. Not pictured with them is Laura Ratcliffe, Project Geoscientist.

Q

A

What do you enjoy the most about working in the field and what has been your favourite location?

Working in the field provides you with unconventional opportunities to learn, such as travelling to remote locations, experiencing other cultures and values, and observing geological change. It teaches you how to be patient and adjust your plans when faced with circumstances that are beyond your control, and to rely on the help and support of friends. My most memorable field experience was being pulled out of a bog hole (thanks to Bronwyn Azar) and stumbling to the refuge of a helicopter through a swamp while mapping in Northern Ontario. My favourite field experience was sea sediment sampling in Frobisher Bay, Nunavut. I got to see the Northern Lights for the first time, and also got to photograph many deep-sea creatures that I didn't know existed. I also liked knowing that the work I was doing could somehow be used in future Arctic policy making and natural resource management.

Q

A

What was your reaction when you won the Mary-Claire Ward Award?

I was pleasantly surprised and humbled. I'd heard about the Mary-Claire Ward award at PDAC and through my peers. Mary-Claire Ward was an inspirational leader in the geosciences and I am very grateful to accept an award created in her honour. I was also very happy to learn that I could accept the award alongside two other female scientists, Talia Moum and Josephine Morgenroth, at the Student-Industry Networking Luncheon. Winning this award has opened a lot of doors for me.

Kendra and Lauren Norenberg at Lower Manitou Lake, Ontario researching for her M.Sc. thesis.

Q
A

What makes PDAC's Mentoring Program so important for young professionals such as yourself?

PDAC's Mentoring Program is one of the few ways that young professionals can learn about careers that may interest them, and coming from people who have experience that is often hard to come by early in your professional development. Mentors were once inexperienced too, so learning how they got to where they did, and if you would like to go there, is something that can only be learned through communicated experience. My advice to those who are beginning their careers is to listen to anyone who wants to give you advice—and listen carefully. You will achieve your goals with patience, persistence and time. Never be afraid to ask someone a question.

Q
A

At PDAC 2020 you had the chance to be part of the Mineral Outlook Luncheon that featured speaker Catherine Raw, Chief Operating Officer of North America at Barrick Gold Corporation. What did you learn from her presentation and how did it come about that she became your mentor?

One of Catherine's main presentation points was the necessity for rebuilding trust in mining in order to meet the production demands that the industry is facing, while also improving the social, environmental and reputational aspects of the sector. I think that her message resonated with a lot of people, as it did with me, and I was happy to learn that societal and environmental stewardship is on the minds of mining COOs. As luck would have it, Catherine invited me to sit beside her at the luncheon and we had a refreshing, productive conversation before she presented. After the event we exchanged business cards and a couple of emails. I asked if she would like to mentor me, and she agreed. At the moment, we're planning on having some phone calls to stay in touch, and I will carefully consider her advice as I progress through my early career.

The OGS crew bedrock mapping of the Fort Hope-Miminiska greenstone belt in Fort Hope, Ontario. **From (L-R):** Kevin Ho (Jr. Field Assistant), Jared Redmond (Jr. Field Assistant), Kendra (Sr. Field Assistant), Michele Hakimian (Sr. Field Assistant), and Bronwyn Azar (Project Geoscientist).

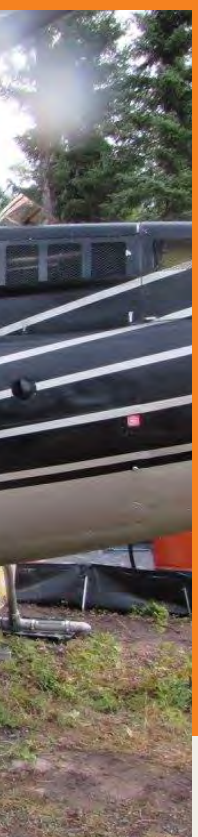
Kendra mapping in 2018 at Dinorwic Lake in Ontario for her thesis.

Q
A

What would be your dream job and why?
It would be amazing to be involved in creating a documentary series that demonstrates the impact of geological processes on all aspects the Earth's history, and place those observations in the context of modernity. Geological processes and natural resources are the driving force behind biospheric evolution, human culture, and our understanding of the universe. I think documentaries are a great way to access many people at once, especially if they are entertaining and able to create emotional connections to the natural world. A well-executed geology documentary could have long-lasting effects on humanity's connection with the Earth that sustains us, and if David Attenborough or James Cameron is reading this please call me!

Q
A

In looking down the road, where do you see yourself in five to 10 years?
My immediate goals are to make Earth Sciences and mining education more accessible to the general public, and to promote Ontario's mineral resources, which I am working on as a District Geologist with the Ontario Geological Survey. In the next five years, I would like to obtain my P.Geo designation by gaining more academic and industry experience in diverse geographic regions. I would also like to improve my understanding of industry processes to help develop new methods of resource extraction that ameliorate the environmental and societal impacts of mining. Eventually, I'd like to use what I learn to help guide responsible and ethical mining practices through ensuring understanding of the spatial and temporal scales of Earth processes versus the impermanence of consumerism. That might not happen in the next 10 years, but it's nice to have a goal.



Wabigoonies research group in 2019 at Malartic Mine in Québec.
Back row (L-R): David Downie (M.Sc. student), Kendra (M.Sc. student), Lauren Norenberg (Field Assistant), Jordan Peterzon (Field Assistant), Luc LeLeannec (Field Assistant), Luke Smith (Field Assistant), and Tshidy Modiba (M.Sc. student).
Front row (L-R): Ben Frieman (postdoctoral researcher), Stéphane Perrouty (supervisor), Rebecca Montsion (PhD candidate), and Amokelani Mavundza (M.Sc. student).

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